



**TURCO PRODUCTS, INC.**  
**MATERIAL SAFETY DATA SHEET**



**DO NOT DUPLICATE**

**SECTION I — PRODUCT NAME:** Turco W.O. #1

3323-14 jr

**Manufacturer's Name:** TURCO PRODUCTS, INC.  
**Address:** 7300 Bolsa Ave., Westminster, CA 92684-3600  
**Emergency Telephone No.:** (614) 387-6200 **Info. Tel. No.** (714) 890-3600

**SECTION II — HAZARDOUS INFORMATION:**

COMPONENTS	C.A.S. Number	CERCLA RQ SPILL lbs.	RCRA Waste No.	ACGIH TLV	OSHA TWA	%, WT.
Phosphoric Acid 2-Butoxy ethanol	7664382 111762	5000 NtLstd	D002 NtLstd	1mg/m <sup>3</sup> 25ppmskin	1mg/m <sup>3</sup> 25ppmskin	55 12
CARCINOGENS (As defined in 29CFR 1910-1200)		NTP	IARC	OSHA		
Contains no components defined to be carcinogens		Not listed	Not listed	Not regulated		
PROPER SHIPPING NAME:		HAZARD CLASS:		HAZARD I.D. No.:		
Compound Cleaning Liquid		Corrosive		NA1760		

**SECTION III — PHYSICAL DATA:**

BOILING POINT, °F: 212°F	SPECIFIC GRAVITY: 1.34
VAPOR PRESSURE (mmHg): Approx. 25mm	VOLATILE, % BY VOL.: 40%
VAPOR DENSITY (AIR = 1): More than 1	EVAPORATION RATE (Bu. Ac. = 1): Less than 1
APPEARANCE AND ODOR:	SOLUBILITY IN WATER: Complete
Clear colorless liquid - mild odor	pH 3.1% in H <sub>2</sub> O 3-4

**SECTION IV — FIRE AND EXPLOSION HAZARDS:**

FLASH POINT AND METHOD USED:
Not applicable - Nonflammable
EXTINGUISHING MEDIA:
Not applicable
SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS:
Use self-contained respiratory protection.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None

**SECTION V — HEALTH, EMERGENCY AND FIRST AID INFORMATION:**

EFFECTS OF OVER EXPOSURE: EYES:
Severe irritation, possible chemical burns, possible tissue damage or destruction, possible blindness.
SKIN:
Severe irritation, possible chemical burns, possible tissue damage.
INHALATION:
Mist: Severe irritation, may cause damage to upper respiratory tract.
INGESTION:
Severe irritation, possible damage to gastrointestinal tract.
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: 2-butoxyethanol is readily absorbed through the skin where it exerts a toxic effect on the kidney, liver and blood-forming system. Repeated overexposure may aggravate any preexisting dysfunction of these systems.

**FIRST AID: EYES:** Spilled is essential. Immediately begin flushing eyes with large volumes of water. Continue for at least 15 minutes. Hold lids apart to assure contact with all surfaces. Obtain medical attention.

**SKIN:** Flush affected area with large volumes of water. Wash with soap and water. Rinse thoroughly. If irritation is evident or blistering occurs, obtain medical attention.

**INHALATION:** Remove to fresh air. Administer oxygen if breathing is difficult. Obtain medical attention if irritation persists.

**INGESTION:** Do not induce vomiting except on advice of competent medical personnel. If victim is conscious, dilute by giving large volumes of milk or water. Obtain immediate medical attention. Never attempt to induce vomiting or give anything by mouth to an unconscious person.

**PRIMARY ROUTES OF ENTRY:** INHALATION ☒ SKIN CONTACT ☒ OTHER \_\_\_\_\_

#### SECTION VI — REACTIVITY DATE:

**STABILITY:** STABLE ☒ UNSTABLE \_\_\_\_\_ HAZARDOUS POLYMERIZATION WILL NOT OCCUR

**CONDITIONS TO AVOID:**

Contact with strong alkalis, reactive metals

**HAZARDOUS DECOMPOSITION PRODUCTS:**

None

#### SECTION VII — SPILL, LEAK AND DISPOSAL PROCEDURE:

**SPILL OR RELEASE PROCEDURE: CONCENTRATE:** Confine spill. Stop leak at source if this can be done safely. Ventilate area. Evacuate nonessential personnel. Pump liquid into DOT-approved drums for disposal. Absorb remaining liquid onto inert absorbent and place in DOT-approved drums for disposal. Wash area with water. Collect washings and place in DOT-approved drums. Keep spill and washings from entering sewer or waterways.

**USE SOLUTION:**

As for concentrate

**DISPOSAL INFORMATION: CONCENTRATE:** (1) Transfer to reclaiming center for recycling or reuse. If possible. (2) Transfer to licensed waste treatment or disposal site for disposition under applicable local, state and regional regulations.

**SPENT SOLUTION AND RINSES:**

Dispose per (1) or (2) above, or phosphates (and fluorides, if present) may be removed by lime treatment; heavy metals (if present) precipitated by pH adjustment to 9.5 - 10.5; the pH of the separated water should then be readjusted to pH 7.0 - 8.0. The clarified water may be released to sewer if local regulations permit.

#### SECTION VIII — SPECIAL PROTECTION INFORMATION:

**RESPIRATORY PROTECTION:** For mist conditions, a NIOSH-approved respirator for mists is advised. If respirators are used, a formal training and screening program must be initiated. See 29 CFR 1910-134.

**VENTILATION:**

Maintain sufficient mechanical ventilation to keep particulate concentration below TLV

**PROTECTIVE EQUIPMENT: CHEMICAL FACE SHIELD OR GOGGLES:** ☒ **GLOVES:** ☒ **BOOTS:** ☒ **APRON:** ☒ **PROTECTIVE SUIT:** ☐ Not normally required

**GLOVES, BOOTS, APRON AND SUIT MADE FROM:** Acid resistant material (e.r. Neoprene)

**RECOMMENDED PERSONAL HYGIENE:** Wash hands and face with soap and water before smoking or eating. Immediately remove contaminated clothing. Launder before reuse. Do not launder at home. Discard contaminated shoes.

#### SECTION IX — OTHER INFORMATION:

**SPECIAL PRECAUTIONS — STORAGE AND HANDLING:**

Store in dry protected area.

**MIXING:**

Add slowly to water while mixing. Make additions to in-use tanks slowly and cautiously.

**REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:** Relieve any pressure. Cover openings to avoid spurring. Flush exterior and interior with water. Collect flushings for disposal. Use appropriate protective equipment for eyes, skin and inhalation.

**DATE PREPARED:** 11/30/87 **DATE REVIEWED:**

**APPROVED:**

Q.C. DEPT./

R & D DEPT./

SAFETY & ENVIRON.